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Attorney's Docket No.: 001340.P081

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In replace at the Application of

John Josef Hench et al.

Application No. 09/710,703

Art Unit: 2661

Filing Date: November 10, 2000

For: METHOD AND APPARATUS FOR
IMPAIRMENT DIAGNOSIS IN
COMMUNICATION SYSTEMS

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Art Unit: 2661

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INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

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If there are any add	litional charges, please charge Deposit Account No. 02-2666.
	Respectfully submitted,
	BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Dated: <u>Sept. 26</u> , 20	Sanjeet & Dutta Reg. No.: 46,145
12400 Wilshire Blvd. Seventh Floor	

Los Angeles, CA 90025-1026 (408) 947-8200

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	CLAES TIDESTAV et al., Signals and Systems, Uppsala University, "Realizable MIMO Decision Feedback Equalizers", International Conference on Acoustics, Speech, and Signal Processing (ICASSP99) March 1999, Phoenix, AZ, V.5, pp 2591-2594.												
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